

Duro-Last® Vinyl Rib Roofing System

A Duro-Last Designer Series Roofing System



The Look Of Architectural Standing Seam With the Watertight Integrity Of Single-Ply

The Duro-Last Vinyl Rib roofing system is ideal for commercial and residential roofing applications where both the aesthetic appearance of architectural standing seam and the proven, watertight performance of a single-ply roofing system are desired.

The Duro-Last Vinyl Rib system offers:

- The look of an architectural standing seam roofing system
- Waterproofing, not just water shedding
- Flashings for stacks and other penetrations that are welded to the deck membrane, providing a monolithic, watertight roofing system
- Ideal performance in snow areas, preventing water back-up situations that might result in leaks with traditional standing seam systems
- More effective insulation options than standing seam.

The Vinyl Rib system consists of the Duro-Last single-ply membrane – a proven performer since 1978 – and separate vinyl ribs that are attached to the installed membrane.

Membrane rolls are delivered to the job site ready to be unrolled and installed by an authorized Duro-Last contractor. Sections are fully-adhered to the roof deck and overlapping edges are heat-welded together, forming a watertight, monolithic covering. Ribs are then heat-welded to the installed deck membrane to ensure a permanent, secure installation. Flashings for penetrations and other transition areas are precision-fabricated in a Duro-Last facility; there is no on-site assembly of these pieces. The Duro-Last Vinyl Rib system is complete, with all components delivered to the job site, ready to be installed by an authorized Duro-Last contractor.



The Vinyl Rib system is available in light gray and white, and requires the use of Duro-Last's 60-mil membrane, fully-adhered to the roof deck (no mechanical fasteners) to provide a smooth roof surface.

The Duro-Last vinyl rib roofing system is protected by the best warranty in the roofing industry. Commercial projects receive our

comprehensive 15-year warranty. It's transferable, has no exclusions for ponding water, and provides coverage against consequential damages that result from defects in the Duro-Last material and/or installation workmanship. Duro-Last also has 20-year limited warranties available.

Tests outlined by ASTM D-4434	Test Description	Test Method	Metric Results	U.S. Standard Results
	Thickness-Nominal	ASTM D 751	1.52 mm.	60 mils - Type III
	Breaking Strength	ASTM D 751 - Grab Method	1948 x 1734 N	438 x 390 lbf.
	Elongation at Break	ASTM D 751 - Grab Method	31%	
	Heat Aging	ASTM 3045, 56 days @ 176°F	90% of control - no cracking, chipping or crazing	
	Factory Seam Strength	ASTM D 751 - Grab Method	1917 N	431 lbf.
	Tearing Strength	ASTM D 751 - Procedure B	587 x 725 N	132 x 163 lbf.
	Low Temperature Bend	ASTM D 2136	Pass	
	Accelerated Weathering	ASTM G 154 (Formerly G53)	No cracking, checking, crazing or erosion at 5,000 hours of exposure	
	Linear Dimensional Change	ASTM D 1204 - 6 hrs. @ 176°F	-0.45% – 0.2%	
	Water Absorption	ASTM D 570 - 166 hrs. @ 158°F	2.6%	
	Static Puncture	ASTM D 5602	25 kg.	56 lb.
	Dynamic Puncture	ASTM D 5635	20 J	474 pdl-ft.

Additional Tests	Test Description	Test Method	Metric Results	U.S. Standard Results
	Fungi Resistance	ASTM G 21	No sustained growth or discoloration	
	Solar Reflectance (Initial)	ASTM C 1549 (Mean)	White 88%; Gray 47%	
	Thermal Emittance (Initial)	ASTM C 1371 (Mean)	White 87%; Gray 89%	
	Weight	ASTM D 751	1.4 kg per m ²	.36 lb. per ft ²
	Underwriters Laboratories	UL-790	Classes A, B & C approved	
	Factory Mutual Research	ASTM E 108; FM 4450 & FM 4470	Rated 1-60, 1-75, 1-90, 1-105, 1-120, 1-135, 1-150, 1-165, 1-195, 1-210, 1-240, 1-270, 1-345, 1-435 & 1-495	



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The Duro-Last® roofing system is proudly manufactured in the United States of America.